

**From:** Khan, Annie (DPH)  
**Sent:** Tuesday, January 24, 2012 11:21 AM  
**To:** 'laurac@brazoria-county.com'  
**Subject:** Amphetamine Extraction

Hi Laura,

I am not sure how well these extraction methods are going to work with blood samples.

**A. Base Conversion (Method 1)**

- i. Place about 1-3mg or mL of the sample into a labeled culture tube.
- ii. Add about 1-2mL of 0.1N sodium hydroxide to the sample in the labeled culture tube. Allow the sample to solubilize for about 2-3 hours or overnight.
- iii. Add about 1-2mL of hexane to the labeled culture tube and mix gently.
- iv. Remove the hexane layer from the solution. Transfer the extract into a labeled GC vial and cap tightly.

**B. Base Conversion (Method 2)**

- i. Place about 1-3mg or mL of the sample into a labeled culture tube.
- ii. Add about 1-4 drops of ammonium hydroxide to the sample in the labeled culture tube.
- iii. Add about 1-2mL petroleum ether to the labeled culture tube and mix gently.
- iv. Remove and transfer the extract into a labeled GC vial and cap tightly.

Hope this helps. Good Luck!!!

Thanks,

Annie  
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